

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date May 31, 2005

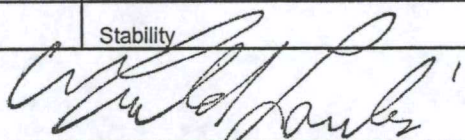
EPA Reg. No./File Symbol 33657-20

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Applicant's/Registrant's Name & Address
 MITSUI CHEMICALS, INC.
 c/o Landis International, Inc.
 P. O. Box 5209
 Valdosta, GA 31603-5126

Product
 DINOTEFURAN TK

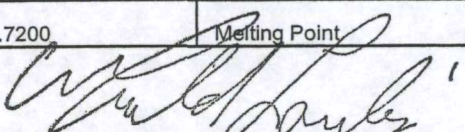
Ingredient DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Group A - Product Identity, Composition and Analysis Test Guidelines					
830.1550	Product Identity Composition	45639201	MITSUI CHEMICALS, INC.	OWN	
830.1600	Description of Materials	45639201	MITSUI CHEMICALS, INC.	OWN	
830.1650	Description of Formulation Process	45639201	MITSUI CHEMICALS, INC.	OWN	
830.1670	Discussion of Formation of Impurities	45639201	MITSUI CHEMICALS, INC.	OWN	
830.1700	Preliminary Analysis	45639201	MITSUI CHEMICALS, INC.	OWN	
830.1750	Certified Limits	45639201	MITSUI CHEMICALS, INC.	OWN	
830.1800	Enforcement Analytical Methods	45639201	MITSUI CHEMICALS, INC.	OWN	
830.1900	Submittal of Samples	-----		NA	
Group B - Physical/Chemical Properties Test Guidelines					
830.6302	Color	45639202	MITSUI CHEMICALS, INC.	OWN	
830.6303	Physical State	45639202	MITSUI CHEMICALS, INC.	OWN	
830.6304	Odor	45639202	MITSUI CHEMICALS, INC.	OWN	
830.6313	Stability			NA	
Signature			Name and Title William Ronald Landis, Ph.D. Regulatory Agent	Date May 31, 2005	

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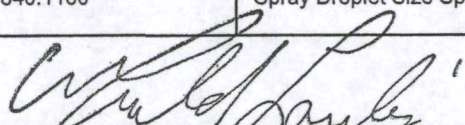
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Ingredient DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Group B - Physical/Chemical Properties Test Guidelines (Continued)					
830.6314	Oxidization/Reduction			NA	
830.6315	Flammability	45639202	MITSUI CHEMICALS, INC.	OWN	
830.6316	Explosibility			NA	
830.6317	Storage Stability	46133501	MITSUI CHEMICALS, INC.	OWN	
830.6319	Miscibility			NA	
830.6320	Corrosion Characteristics	46133501	MITSUI CHEMICALS, INC.	OWN	
830.6321	Dielectric Breakdown Voltage			NA	
830.7000	pH	45639202	MITSUI CHEMICALS, INC.	OWN	
830.7050	UV/Visible Absorption			NA	
830.7100	Viscosity			NA	
830.7200	Melting Point			NA	
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Ingredient DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Group B - Physical/Chemical Properties Test Guidelines (Continued)					
830.7220	Boiling Point			NA	
830.7300	Density/Relative Density/Bulk Density	45639202	MITSUI CHEMICALS, INC.	OWN	
830.7370	Dissociation Constant			NA	
830.7550	Octanol/Water Partition Coefficient			NA	
830.7840	Water Solubility			NA	
830.7950	Vapor Pressure			NA	
Spray Drift Test Guidelines					
840.1100	Spray Droplet Size Spectrum	45639708	MITSUI CHEMICALS, INC.	OWN	
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Ingredient DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Group A - Aquatic Fauna Test Guidelines					
850.1010	Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids	45639710 45639709	MITSUI CHEMICALS, INC.	OWN	
850.1025	Oyster Acute Toxicity Test (Shell Deposition)	45639711	MITSUI CHEMICALS, INC.	OWN	
850.1035	Mysid Acute Toxicity Test	45639712 45639713	MITSUI CHEMICALS, INC.	OWN	
850.1075	Fish Acute Toxicity Test, Freshwater and Marine	45639714 45639715 45639716 45639717	MITSUI CHEMICALS, INC.	OWN	
850.1300	Daphnid Chronic Toxicity Test	45639718	MITSUI CHEMICALS, INC.	OWN	
850.1400	Fish Early Life Stage Toxicity Test	45639719	MITSUI CHEMICALS, INC.	OWN	
Group B - Terrestrial Wildlife Test					
850.2100	Avian Acute Oral Toxicity Test	45639720	MITSUI CHEMICALS, INC.	OWN	
850.2200	Avian Dietary Toxicity Test	45639721 45639722	MITSUI CHEMICALS, INC.	OWN	
850.2300	Avian reproduction test	45639723 45639724	MITSUI CHEMICALS, INC.	OWN	
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Ingredient DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Group C - Beneficial Insects and Invertebrates Test Guidelines					
850.3020	Honey bee acute contact toxicity	45639725 45639726	MITSUI CHEMICALS, INC.	OWN	
850.3030	Honey bee toxicity of residues on foliage	45639727 45639728	MITSUI CHEMICALS, INC.	OWN	
Group D - Nontarget Plants Test Guideline					
850.4100	Terrestrial plant toxicity, Tier I (seedling emergence)	45639729	MITSUI CHEMICALS, INC.	OWN	
850.4150	Terrestrial plant toxicity test, Tier II (vegetative vigor)	45639730	MITSUI CHEMICALS, INC.	OWN	
850.4400	Aquatic plant toxicity test using <i>Lemna</i> spp. Tiers I and II	45639731	MITSUI CHEMICALS, INC.	OWN	
Group E - Toxicity to Microorganisms Test Guidelines					
850.5400	Algal toxicity Tiers I and II	45639732 45639733 45639734	MITSUI CHEMICALS, INC.	OWN	
Group G - Field Test Data Reporting Guidelines					
850.7100	Data reporting for environmental chemistry methods	46403802	MITSUI CHEMICALS, INC.	OWN	
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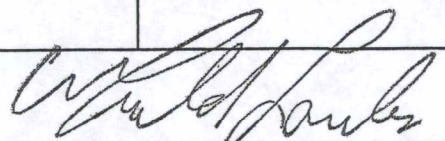
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Ingredient DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 860 - Residue Chemistry Test Guidelines					
860.1300	Nature of the residue- plants, livestock	45639735 45639801 45639802 45639803 45639804 45639805 45639806 45639807 46413801	MITSUI CHEMICALS, INC.	OWN	
860.1340	Residue analytical method	45639808 45639809 45639810 45639811 45639812 45639813 45639814 46132901 46270901	MITSUI CHEMICALS, INC.	OWN	
860.1360	Multiresidue method	45639815	MITSUI CHEMICALS, INC.	OWN	
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 860 - Residue Chemistry Test Guidelines (Cont'd)					
860.1380	Storage stability data	45639816 45639817 45639818 45891614 45915401	MITSUI CHEMICALS, INC.	OWN	
860.1480	Meat/milk/poultry/eggs	45891613	MITSUI CHEMICALS, INC.	OWN	
860.1500	Crop field trials	45639819 45639820 45654202 45891601 45891602 45891603 45891604 45891605 45891606 45891610 45891611 45891612 45891618 45891619	MITSUI CHEMICALS, INC.	OWN	
860.1520	Processed food/ feed	45639821 45891607 45891608 45891609	MITSUI CHEMICALS, INC.	OWN	
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Ingredient DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 860 - Residue Chemistry Test Guidelines (Cont'd)					
860.1550	Proposed tolerances		MITSUI CHEMICALS, INC.	OWN	
860.1560	Reasonable Grounds in support of the petition		MITSUI CHEMICALS, INC.	OWN	
860.1850	Confined accumulation in crops	45639822	MITSUI CHEMICALS, INC.	OWN	
Group A - Acute Toxicity Test Guidelines					
870.1100	Acute oral toxicity	45639823 45639824	MITSUI CHEMICALS, INC.	OWN	
870.1200	Acute dermal toxicity	45639901	MITSUI CHEMICALS, INC.	OWN	
870.1300	Acute inhalation toxicity	45639902	MITSUI CHEMICALS, INC.	OWN	
Group B - Specific Organ/ Tissue Toxicity Test Guidelines					
870.2400	Acute eye irritation	45639903 46301601	MITSUI CHEMICALS, INC.	OWN	
870.2500	Acute dermal irritation	45639904	MITSUI CHEMICALS, INC.	OWN	
870.2600	Skin sensitization	45639905	MITSUI CHEMICALS, INC.	OWN	
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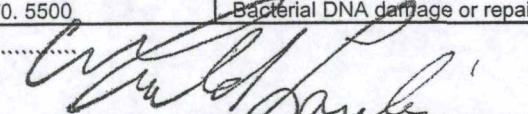
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Group C - Subchronic Toxicity Test Guidelines					
870.3050	Repeated Dose 28- Day Oral Toxicity Study in Rodents	45654203 45654204	MITSUI CHEMICALS, INC.	OWN	
870.3100	90-Day oral toxicity	45654205 45654206	MITSUI CHEMICALS, INC.	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90 day	45639906	MITSUI CHEMICALS, INC.	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 days	45639907 45639908	MITSUI CHEMICALS, INC.	OWN	
870.3465	Subchronic Inhalation Toxicity	45639909	MITSUI CHEMICALS, INC.	OWN	
870.3700	Prenatal developmental toxicity study	45639910 45654207 45639911 45654208	MITSUI CHEMICALS, INC.	OWN	
870.3800	Reproduction and fertility effects	45639912 45639913 45639914	MITSUI CHEMICALS, INC.	OWN	
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Group D - Chronic Toxicity Test Guidelines					
870.4100	Chronic Toxicity	45639915 45639916 45654209	MITSUI CHEMICALS, INC.	OWN	
870.4200	Carcinogenicity	45639917	MITSUI CHEMICALS, INC.	OWN	
870.4300	Combined chronic toxicity/ carcinogenicity	45640001	MITSUI CHEMICALS, INC.	OWN	
Group E - Genetic Toxicity Test Guidelines					
870.5100	Escherichia coli WP2 and WP2 uvrA reverse mutation assays	45654210	MITSUI CHEMICALS, INC.	OWN	
870.5300	Detection of gene mutations in somatic cells in culture	45640002	MITSUI CHEMICALS, INC.	OWN	
870.5375	In vitro mammalian cytogenetics	45654211	MITSUI CHEMICALS, INC.	OWN	
870.5395	In vivo mammalian cytogenetics test Erythrocyte micronucleus assay	45654212	MITSUI CHEMICALS, INC.	OWN	
870.5500	Bacterial DNA damage or repair tests	45640003	MITSUI CHEMICALS, INC.	OWN	
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Ingredient DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Group F - Neurotoxicity Test Guidelines					
870.6200	Neurotoxicity Screening battery	45640004 45640005 44163001 44163002	MITSUI CHEMICALS, INC.	OWN	
Group G - Special Studies Test Guidelines					
870.7485	Metabolisms and pharmacokinetics	45640006 45640007	MITSUI CHEMICALS, INC.	OWN	
Group B - Postapplication Exposure Monitoring Test Guidelines					
875.2100	Foliar Dislodgeable Residue Dissipation	45640008 45640009 45640010	MITSUI CHEMICALS, INC.	OWN	
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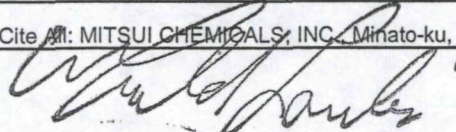
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Ingredient DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
40 CFR §158.290 Environmental Fate Data Requirements					
161-1	Hydrolysis	45640101 45640102 45640103 45640104	MITSUI CHEMICALS, INC.	OWN	
161-2	Photodegradation: Water	45640105 45640106 45640107 45640108	MITSUI CHEMICALS, INC.	OWN	
161-3	Photodegradation: Soil	45640109	MITSUI CHEMICALS, INC.	OWN	
161-4	Photodegradation: Air	45640110	MITSUI CHEMICALS, INC.	OWN	
162-1	Aerobic Soil	45640111 45640112	MITSUI CHEMICALS, INC.	OWN	
162-2	Anaerobic Soil Metabolism	45891616	MITSUI CHEMICALS, INC.	OWN	
163-1	Leaching and adsorption/desorption	45640113 45640114 45640115 45640116	MITSUI CHEMICALS, INC.	OWN	
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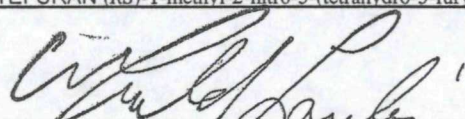
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
40 CFR §158.290 Environmental Fate Data Requirements (Cont'd)					
163-3	Volatility	45640117	MITSUI CHEMICALS, INC.	OWN	
164-1	Dissipation Studies - Field	45640118 45640119 45640123 45640124 45891615	MITSUI CHEMICALS, INC.	OWN	
40 CFR §158.590 Nontarget Insect Data Requirements					
143-1 thru 143-3	Nontarget insect testing: predators and parasites	45640120 45640121 45640122	MITSUI CHEMICALS, INC.	OWN	
All Other Data Requirements					
Selective Cite All: MITSUI CHEMICALS, INC., Minato-ku, Tokyo, Japan			MITSUI CHEMICALS, INC.		
Signature 			Name and Title William Ronald Landis, Ph.D. Regulatory Agent		Date May 31, 2005

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M STREET, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date	May 31, 2005	EPA Reg. No./File Symbol	33657-20	Page 14 of 14
Applicant's/Registrant's Name & Address	MITSUI CHEMICALS, INC. c/o Landis International, Inc. P. O. Box 5209 Valdosta, GA 31603-5126	Product	DINOTEFURAN TK	
Ingredient	DINOTEFURAN (RS)-1-methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine			
Signature		Name and Title	William Ronald Landis, Ph.D. Regulatory Agent	Date May 31, 2005

Guideline No.

830.6313 Stability: N/A - Not required for Manufacturing Use Products (Product Properties Test Guidelines OPPTS 830.1000).

830.6314 Oxidization/Reduction: N/A - Required if product contains oxidizing or reducing agents (40 CFR §158.190). This product contains no oxidizing or reducing agents.

830.6316 Explodability: N/A - Required if product is potentially explosive (40 CFR §158.190). This product is not explosive.

830.6319 Miscibility: N/A - Required if product is an emulsifiable liquid (40 CFR §158.190). This product is not an emulsifiable liquid.

830.6321 Dielectric Breakdown Voltage: N/A - Not required for Manufacturing Use Products (Product Properties Test Guidelines OPPTS 830.1000).

830.7050 UV/Visible Absorption: N/A - Not required for Manufacturing Use Products (Product Properties Test Guidelines OPPTS 830.1000).

830.7100 Viscosity: N/A - Required if product is a liquid (40 CFR §158.190). This product is not a liquid.

830.7200 Melting Point: N/A - Not required for Manufacturing Use Products (Product Properties Test Guidelines OPPTS 830.1000).

830.7220 Boiling Point: N/A - Not required for Manufacturing Use Products (Product Properties Test Guidelines OPPTS 830.1000).

830.7370 Dissociation Constant: N/A - Not required for Manufacturing Use Products (Product Properties Test Guidelines OPPTS 830.1000).

830.7550 Octanol/Water Partition Coefficient: N/A - Not required for Manufacturing Use Products (Product Properties Test Guidelines OPPTS 830.1000).

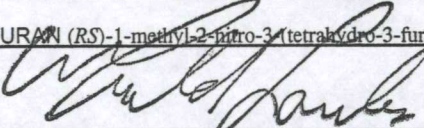
830.7840 Water Solubility: N/A - Not required for Manufacturing Use Products (Product Properties Test Guidelines OPPTS 830.1000).

830.7950 Vapor Pressure: N/A - Not required for Manufacturing Use Products (Product Properties Test Guidelines OPPTS 830.1000).

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